

Rabbit anti-Human, Mouse BMPR1B Polyclonal Antibody | anti-BMPR1B antibody

BMPR1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326512	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

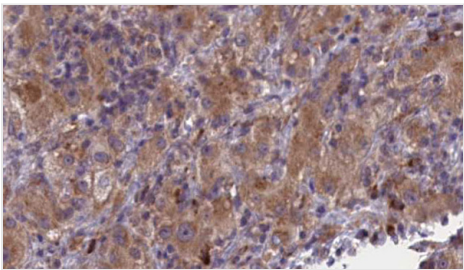
PRODUCT SYNONYMS

BMPR1B; Polyclonal Antibody; BMPR1B Antibody; Activin receptor like kinase 6; Acvrlk6; ALK 6; ALK6; alk6tr; BMP type-1B receptor; BMPR IB; BMPR-1B; Bmpr1b; BMPRIB; BMR1B_HUMAN; Bone morphogenetic protein receptor type 1B; Bone morphogenetic protein receptor type IB; Bone morphogenetic protein receptor type-1B; BR 1b; BR1b; CDw 293; CDw293; CDw293 antigen; CFK 43a; CFK43a; Serine/threonine receptor kinase; zALK 6; zALK6; anti-BMPR1B antibody

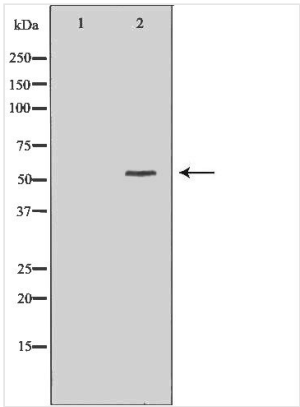
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	BMPR1B antibody detects endogenous levels of total BMPR1B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	502
Applicable Applications for anti-BMPR1B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BMPR1B
Subcellular Location	Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326512 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse brain, using BMPR1B antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BMPR1B antibody	Description: This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. Mutations in this gene have been associated with primary pulmonary hypertension. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2012] Function: On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for BMP7/OP-1 and GDF5. Positively regulates chondrocyte differentiation through GDF5 interaction. Subunit Structure: Interacts with high affinity with GDF5; positively regulates chondrocyte differentiation. Similarity: Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502431
NCBI GeneID	658
NCBI Accession #	NP_001194.1
NCBI GenBank Nucleotide #	NM_001203.2
UniProt Accession #	O00238; P78366; B2R953; B4DSV1
Molecular Weight	Observed: 57 kDa Predicted: 57 kDa
NCBI Official Full Name	bone morphogenetic protein receptor type-1B isoform b
NCBI Official Synonym Full Names	bone morphogenetic protein receptor type 1B
NCBI Official Symbol	BMPR1B
NCBI Official Synonym Symbols	ALK6; AMDD; BDA2; ALK-6; BDA1D; CDw293
NCBI Protein Information	bone morphogenetic protein receptor type-1B
UniProt Protein Name	Bone morphogenetic protein receptor type-1B

UniProt Gene Name	BMPR1B
UniProt Synonym Gene Names	BMP type-1B receptor; BMPR-1B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bmpr1b-antibody-immunohistochemistry-western-blot-elisa/326512>